

# EUROPEAN PATENT OFFICE

## Patent Abstracts of Japan

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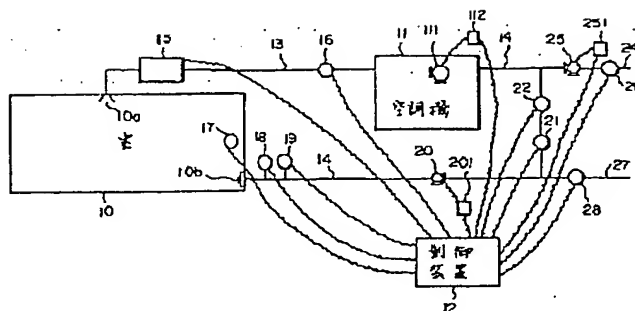
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TITLE : CONTROLLING EQUIPMENT OF  
QUANTITY OF AIRFLOW OF  
AIR-CONDITIONING SYSTEM



ABSTRACT : PURPOSE: To make it possible to ensure an environment of clean air quality of a space to be air-conditioned and to enable saving of energy.

CONSTITUTION: A room 10 and an air conditioner 11 are connected by a supply air duct 13 having a variable airflow quantity unit 15 and by a return air duct 14 having a return air quantity regulating means, and a blower 25 for intake of outdoor air is provided on the return air introducing side of the air conditioner 11. The quantity of intake outdoor air is set on the basis of the CO<sub>2</sub> concentration of air in the room 10 2 detected by a CO<sub>2</sub> sensor 18 and the larger one of the quantity of supply air requested by a cooling-heating load in the room 10 and the quantity of the supply air requested on the basis of the concentration of dust detected by an SPM sensor 19 is selected as the quantity of the supply air for the room 10. The air conditioner 11, the variable airflow quantity unit 15 and the return air quantity regulating means are controlled so that conditioned air be let out in this quantity of the supply air.

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